CN C	MgBr CuCl, THF CuCl, THF	Fig. 1A Fig. 1C Fig. 1C
CF3)2C0 H2O2 Na2HPO4 CH2Cl2 CH2Cl2 0 - 5 deg C 3	AcOH, THF, H2O	14A X = CI 14B X = Br
CN	No.	(CF3C0)20 AcOH cat TsOH CH2Cl2
Me ₃ SiC Pyridine	N X I I I I I I I I I I I I I I I I I I	Et3N, THF
N-HO-HO-HO-HO-HO-HO-HO-HO-HO-HO-HO-HO-HO-	N. I.	1) LDA, -78 deg C 2A) 4N HCl 2B) where X = Cl 4N HBr where X = Br KSCOCH3 Nal, acetone

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Application No.: 09/180,132
Applicants: Hyun K. Kim et al.
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AS NEW ANTIPROGESTATIONAL AGENTS

> HOAc, NaOAc, MeOH H₂O, reflux

8

OAc

OEt

1) CH₃C(OEt)₃ pyr-H⁺⁻Ts reflux , 2) pyridine, reflux FIG. 1C

* Cyp = 3-Cyclopentylpropionyl-

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